

[0082] What is claimed is:

1. An apparatus comprising:

a plurality of individually-selectable fixed volumes, each fixed volume in the plurality of individually-selectable fixed volumes including an air chamber and a fluid chamber; and

a valve configured to be in communication with a fluid chamber of a fixed volume from the plurality of individually-selectable fixed volumes, the valve further configured to be in communication with an atomizer, and further configured to receive a control signal from a processor.

2. The apparatus of claim 1, wherein the plurality of individually-selectable fixed volumes are encased in a housing that includes an acoustic port configured to acoustically couple an air chamber to an acoustic source when the individually-selectable volume including the air chamber is selected.

3. The apparatus of claim 2, wherein the valve is configured to be in communication with the fluid chamber when the individually-selectable volume including the fluid chamber is selected.

4. The apparatus of claim 3, wherein the valve is further configured to be in communication with an air source.

5. The apparatus of claim 4, further including a fluid path between the fluid chamber and the valve, and further including an air path between an air port and the valve, the air port configured to be in communication with an air source.

6. The apparatus of claim 4, wherein the air chamber and the fluid chamber are separated by a diaphragm.

7. The apparatus of claim 4, further including a means for indexing a selected fixed volume from the plurality of individually-selectable fixed volumes.

8. A method comprising:

providing a plurality of individually-selectable fixed volumes, each fixed volume in the plurality of individually-selectable fixed volumes including an air chamber and a fluid chamber; and

providing a valve configured to be in communication with a fluid chamber of a fixed volume from the plurality of individually-selectable fixed volumes, the valve further configured to be in communication with an atomizer, and further configured to receive a control signal from a processor.

9. The method of claim 8, wherein the plurality of individually-selectable fixed volumes are encased in a housing that includes an acoustic port configured to acoustically couple an air chamber to an acoustic source when the individually-selectable volume including the air chamber is selected.

10. The method of claim 9, wherein the valve is configured to be in communication with the fluid chamber when the individually-selectable volume including the fluid chamber is selected.
11. The method of claim 10, wherein the valve is further configured to be in communication with an air source.
12. The method of claim 11, further comprising:

providing a fluid path between the fluid chamber and the valve; and

providing an air path between an air port and the valve, the air port configured to be in communication with an air source.
13. The apparatus of claim 11, wherein the air chamber and the fluid chamber are separated by a diaphragm.
14. The apparatus of claim 11, further comprising:

providing a means for indexing a selected fixed volume from the plurality of individually-selectable fixed volumes.